

according to Regulation (EC) No. 1907/2006

SYMIC OEM Medium Space Gold

Version	Revision Date:	SDS Number:	Print Date: 11.03.2022
3.1	09.03.2022	102000022408	Date of first issue: 19.11.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

: Colouring agents, pigments

1.1 Product identifier

 Trade name
 :
 SYMIC OEM Medium Space Gold

 Product code
 :
 021124MJ0

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture

1.3 Details of the supplier of the safety data sheet

Company	:	ECKART GmbH Guentersthal 4 91235 Hartenstein
Telephone	:	+499152770
Telefax	:	+499152777008
E-mail address of person responsible for the SDS	:	msds.eckart@altana.com

1.4 Emergency telephone number

NCEC: +44 1235 239670 (Europe) Call and response in your language is possible. Contract no.: ECKART29003-NCEC.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Additional Labelling

EUH210	Safety data sheet available on request.
EUH212	Warning! Hazardous respirable dust may be formed when used. Do not breathe
	dust.



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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS-No. EC-No.	Classification REGULATION (EC)	Concentration (% w/w)	
	Index-No.	No 1272/2008	(/0 11/11)	
	Registration number	110 1212,2000		
Substances with a workplace exposure limit :				
Fluorphlogopite	12003-38-2		>= 25 - < 50	
(Mg3K[AIF2O(SiO3)3])	234-426-5			
	01-2119971065-37			
For explanation of abbreviations see section 16.				

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Do not leave the victim unattended.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Wash off with soap and water.
In case of eye contact	:	Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Foam

Carbon dioxide (CO2)



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			ABC powder	
5.2 Spec	ial hazards arising from	the	substance or n	nixture
-	ce for firefighters			
	cial protective equipment refighters	:	Wear self-conta necessary.	ined breathing apparatus for firefighting if
Furtl	ner information	:	Use extinguishir	dure for chemical fires. ng measures that are appropriate to local and the surrounding environment.
SECTIO	N 6: Accidental releas	se r	neasures	
6.1 Perso	onal precautions, protec	ctive	e equipment and	l emergency procedures
Pers	onal precautions	:	Avoid dust form	ation.
	ronmental precautions		No special envir	onmental precautions required.
	ionmental precautions	•		onnental precations required.
6.3 Meth	ods and material for co	ntai	nment and clear	ning up
Meth	nods for cleaning up	:	Sweep up and s	ange disposal without creating dust. shovel. e, closed containers for disposal.
6.4 Refer	rence to other sections			
SECTIO	N 7: Handling and sto	oraç	je	
	autions for safe handlin ce on safe handling	g :		otection see section 8. and drinking should be prohibited in the
	ce on protection against and explosion	:	Provide appropris formed.	iate exhaust ventilation at places where dust
Hygi	ene measures	:	General industri	al hygiene practice.
Req	litions for safe storage, uirements for storage is and containers	incl :	Electrical install	npatibilities ations / working materials must comply with al safety standards.
Advi	ce on common storage	:	No materials to	be especially mentioned.

Further information on : Keep in a dry place. No decomposition if stored and applied





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storage stability

as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

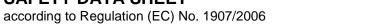
Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide	13463-67- 7	TWA (inhalable dust)	10 mg/m3	GB EH40
Further information	those fraction undertaken General met thoracic and hazardous tr concentration inhalable du any dust will these levels to these mut contain part fate of any p and the bod particle. HSI termed 'inha fraction of a and is there dust approx of the lung. MDHS14/4. WEL, all the short-term e	ons of airborne dust with in accordance with the thods for sampling a l inhalable aerosols., o health includes dust on in air equal to or g list or 4 mg.m-3 8-hou l be subject to COSH. Some dusts have b st comply with the ap- icles of a wide range particular particle after y response that it eli E distinguishes two sa alable' and 'respirable irborne material that fore available for dep- imates to the fraction Fuller definitions and , Where dusts contain e relevant limits shou	respirable dust and inha which will be collected when methods described in and gravimetric analysis of The COSHH definition of st of any kind when prese reater than 10 mg.m-3 8 ur TWA of respirable dus H if people are exposed been assigned specific W opropriate limits., Most in of sizes. The behaviour er entry into the human re- cits, depend on the nature size fractions for limit-set e'., Inhalable dust approx enters the nose and mo- position in the respiratory that penetrates to the g d explanatory material are n components that have ld be complied with., Whe d, a figure three times the	hen sampling is MDHS14/4 or respirable, of a substance ent at a -hour TWA of st. This means that to dust above YELs and exposure dustrial dusts , deposition and espiratory system, re and size of the ting purposes simates to the uth during breathing r tract. Respirable as exchange region e given in their own assigned ere no specific
		TWA (Inhalable)	10 mg/m3	GB EH40
Further information	any kind wh mg.m-3 8-ho dust. This m exposed to specific WE limits., When	en present at a conc our TWA of inhalable leans that any dust v dust above these lev Ls and exposure to t re no specific short-t ng-term exposure lim		or greater than 10 Ir TWA of respirable I if people are een assigned he appropriate ed, a figure three
		TWA (Respirable	4 mg/m3	GB EH40
		dust)		

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ersion 1	Revision Date: 09.03.2022		00000400	rint Date: 11.03.2022 Date of first issue: 19.11.2014	
Furthe	er information	General me thoracic and hazardous t concentratic inhalable du any dust wil these levels to these mu contain part fate of any p and the bod particle. HS termed 'inha fraction of a and is there dust approx of the lung. MDHS14/4. WEL, all the short-term e exposure lin	in accordance with thods for sampling d inhalable aerosols o health includes d on in air equal to or ist or 4 mg.m-3 8-h l be subject to COS a Some dusts have st comply with the icles of a wide rang particular particle a dy response that it e E distinguishes two alable' and 'respiral fore available for d imates to the fracti Fuller definitions an , Where dusts cont e relevant limits sho exposure limit is list nit should be used. TWA (Respirable fraction) d definition of a sub	the methods described in MI and gravimetric analysis or re- s., The COSHH definition of a ust of any kind when present greater than 10 mg.m-3 8-hc our TWA of respirable dust. T SHH if people are exposed to been assigned specific WEL appropriate limits., Most indu- ge of sizes. The behaviour, de- ter entry into the human resp elicits, depend on the nature a o size fractions for limit-setting ole'., Inhalable dust approxim- at enters the nose and mouth eposition in the respiratory tra- on that penetrates to the gas and explanatory material are g ain components that have the ould be complied with., Where ed, a figure three times the loc 4 mg/m3	DHS14/4 espirable, a substance at a bur TWA of This means that dust above s and exposure strial dusts eposition and biratory system, and size of the g purposes ates to the during breathing act. Respirable exchange region iven in eir own assigned e no specific ong-term GB EH40 ncludes dust of
		any kind wh mg.m-3 8-h dust. This m exposed to specific WE limits., Whe times the low	en present at a con our TWA of inhalat neans that any dust dust above these le Ls and exposure to re no specific short ng-term exposure l	ncentration in air equal to or g le dust or 4 mg.m-3 8-hour T will be subject to COSHH if evels. Some dusts have been these must comply with the -term exposure limit is listed, imit should be used.	reater than 10 WA of respirable people are assigned appropriate a figure three
(Mg3ł 3])	ohlogopite K[AIF2O(SiO3)	12003-38- 2	TWA	2.5 mg/m3 (Fluorine)	2000/39/EC
	er information	Indicative			
diiron	trioxide	1309-37-1	TWA (Inhalable)	10 mg/m3	GB EH40
Furthe	er information	any kind wh mg.m-3 8-h dust. This m exposed to specific WE limits., Whe	en present at a con our TWA of inhalat neans that any dust dust above these le Ls and exposure to re no specific short	I ostance hazardous to health in incentration in air equal to or g ole dust or 4 mg.m-3 8-hour T is will be subject to COSHH if j evels. Some dusts have been these must comply with the -term exposure limit is listed, imit should be used.	reater than 10 WA of respirable people are assigned appropriate
			TWA (Respirable fraction)	4 mg/m3	GB EH40
Furthe	er information	any kind wh mg.m-3 8-h	en present at a cor our TWA of inhalab	ostance hazardous to health i ncentration in air equal to or g le dust or 4 mg.m-3 8-hour T will be subject to COSHH if	greater than 10 WA of respirable





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	exposed to dust above these levels. Som specific WELs and exposure to these mu limits., Where no specific short-term expo times the long-term exposure limit should	ist comply with the appropriate osure limit is listed, a figure three d be used.
	TWA (inhalable 10 mg/ dust)	m3 GB EH40
Further information	For the purposes of these limits, respirate those fractions of airborne dust which will undertaken in accordance with the metho General methods for sampling and gravin thoracic and inhalable aerosols., The CC hazardous to health includes dust of any concentration in air equal to or greater th inhalable dust or 4 mg.m-3 8-hour TWA of any dust will be subject to COSHH if peo these levels. Some dusts have been assist to these must comply with the appropriat contain particles of a wide range of sizes fate of any particular particle after entry in and the body response that it elicits, dep particle. HSE distinguishes two size fract termed 'inhalable' and 'respirable'., Inhala fraction of airborne material that enters th and is therefore available for deposition i dust approximates to the fraction that per of the lung. Fuller definitions and explana MDHS14/4., Where dusts contain compo WEL, all the relevant limits should be cor short-term exposure limit is listed, a figur exposure limit should be used.	I be collected when sampling is ods described in MDHS14/4 metric analysis or respirable, VSHH definition of a substance kind when present at a an 10 mg.m-3 8-hour TWA of of respirable dust. This means that ple are exposed to dust above igned specific WELs and exposure e limits., Most industrial dusts . The behaviour, deposition and nto the human respiratory system, end on the nature and size of the ions for limit-setting purposes able dust approximates to the ne nose and mouth during breathing n the respiratory tract. Respirable netrates to the gas exchange region atory material are given in onents that have their own assigned mplied with., Where no specific
	TWA (Respirable 4 mg/m dust)	GB EH40
Further information	For the purposes of these limits, respirate those fractions of airborne dust which wil undertaken in accordance with the method General methods for sampling and gravin thoracic and inhalable aerosols., The CO hazardous to health includes dust of any concentration in air equal to or greater th inhalable dust or 4 mg.m-3 8-hour TWA of any dust will be subject to COSHH if peo these levels. Some dusts have been assis to these must comply with the appropriat contain particles of a wide range of sizes fate of any particular particle after entry in and the body response that it elicits, dep particle. HSE distinguishes two size fract termed 'inhalable' and 'respirable'., Inhala fraction of airborne material that enters th and is therefore available for deposition i dust approximates to the fraction that per of the lung. Fuller definitions and explana	I be collected when sampling is ods described in MDHS14/4 metric analysis or respirable, ISHH definition of a substance kind when present at a an 10 mg.m-3 8-hour TWA of of respirable dust. This means that ple are exposed to dust above igned specific WELs and exposure e limits., Most industrial dusts . The behaviour, deposition and nto the human respiratory system, end on the nature and size of the ions for limit-setting purposes able dust approximates to the me nose and mouth during breathing n the respiratory tract. Respirable netrates to the gas exchange regior



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MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Fluorphlogopite (Mg3K[AIF2O(SiO3)3]	Consumers	Ingestion	Long-term systemic effects	62.5 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye protection	:	Safety glasses
Skin and body protection	:	Protective suit
Respiratory protection	:	No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: powder
Colour	: gold
Odour	: odourless
Odour Threshold	: No data available
рН	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: Will not burn
Self-ignition	: No data available
Auto-ignition temperature	: No data available
Smoldering temperature	: No data available

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	Decom	position temperature	:	No data available	9
	Explosive properties		:	No data available	
	Oxidizir	ng properties	:	No data available	
	Upper explosion limit / Upper flammability limit		:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapour	pressure	:	No data available)
	Relative	e vapour density	:	No data available)
	Relative density		:	No data available	9
	Density		:	3.6 g/cm3	
	Bulk de	ensity	:	0.4 g/cm3	
	Water solubility		:	No data available)
	Solubili	ty in other solvents	:	No data available)
	Partitio octanol	n coefficient: n- /water	:	No data available	
	Decom	position temperature	:	No data available	9
	Viscosi	ty, dynamic	:	No data available	9
	Viscosi	ty, kinematic	:	No data available	9
	Flow tir	ne	:	No data available	

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions :

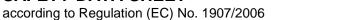
Stable under recommended storage conditions. No hazards to be specially mentioned.



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10.4 Cond	ditions to avoid		
Cond	litions to avoid	: No data availa	able
10.5 Inco	mpatible materials		
10.6 Haza	rdous decompositio	on products	
Conta air	act with water or humi	d : This information	on is not available.
Therr	nal decomposition	: This information	on is not available.
	N 11: Toxicological		
	mation on toxicolog	ical effects	
	e toxicity lassified based on ava	ailable information	
•••••	corrosion/irritation	ailable information	
	ous eye damage/eye		
	lassified based on ava		
Resp	piratory or skin sensi	tisation	
-	sensitisation		
Not c	lassified based on ava	ailable information.	
Resp	piratory sensitisation	l	
Not c	lassified based on ava	ailable information.	
	n cell mutagenicity		
Not c	lassified based on ava	ailable information.	
	inogenicity		
	lassified based on ava	ailable information.	
-	oductive toxicity		
	lassified based on ava	allable information.	
	T - single exposure lassified based on available	ailable information	
	F - repeated exposur lassified based on available		
	ration toxicity		
-	lassified based on ava	ailable information.	
		9 / 13	A member of C All





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Further information

Product:

Remarks: No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological : No data available information

Components:

Fluorphlogopite (Mg3K[AIF2O(SiO3)3]):

Additional ecological : No data available information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.



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SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

:

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	: Not applicable

15.2 Chemical safety assessment

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SECTION 16: Other information

Full text of other abbreviations

2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first
		list of indicative occupational exposure limit values
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2000/39/EC / TWA	:	Limit Value - eight hours
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature: SDS - Safety Data Sheet: SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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